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Substitute	01 101111 1449AVF 10			Application Number	10/560,107	,		
INFO	RMATION D	ISC	LOSURE	Filing Date	December 9, 2005			
STAT	EMENT BY	AΡ	PLICANT	First Named Inventor	Igor LUBOMIRSKY			
· · · · ·				Group Art Unit	1751			
	(use as many sheets	s as n	ecessary)	Examiner Name				
Sheet	1	of	4	Attorney Docket Number	LUBOMIRSKY=1			

			U.S. PAT	ENT DOCUMENTS	
examiner nitials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,504,330	04-02-1996	Summerfelt et al	
	AB	US-5,127,982	07-07-1992	Kotake	
	AC.	US-4,869,840	09-26-1989	Osbond et al	
	AD	US-4,500,397	02-19-1985	Mori	
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		FOREIC	SN PATENT DO	DCUMENTS		
Examiner nitials*	Cite No.1	Foreign Patent Number Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	of Cited December	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Τ*
	AE	DE 100 28 022 A1	12-13-2001	Krueger et al		AB.
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Sheet	2	of	4	Attorney Docket Number	LUBOMIRSKY=1

		NON PATENT LITERATURE DOCUMENTS / OTHER INFORMATION	
Examiner nitials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	AF	s. Li. J. A. Eastman, Z. Li, C. M. Foster, R. E. Newnham, and L. E. Cross, "Size effects in nanostructureed ferroelectrics", <i>Phys. Lett. A</i> 1996, 212, 341-346.	•
	AG	N. A. Pertsev, A. G. Zembilgotov, and A. K. Tagantsev "Effect of Mechanical Boundary Conditions on Phase Diagrams of Epitaxial Ferroelectric Thin Films", <i>Phys. Rev. Lett.</i> 1998 , 80, 1998-1991.	•
	АН	T. Feng and J. M. Cowley, "Thickness dependence of ferroelectric domains in thin crystalline films", Appl. Phys. Lett. 1994, 65, 1906-1908.	
	AI	M. H. Frey and D. A. Payne, "Grain-size effect on structure and phase transformations for barium titanate", <i>Phsy. Rev. B</i> 1996, 54, 3158-3167.	
	AJ	G. Ayton, M. JU. P. Gingras, and G. N. Patney, "Orientatinal Ordering on Spatially Disordered Dipolar Systems", Phys. Rev. Lett. 1995, 75, 2360-2363.	
<u>· </u>	AK	P. J. Groout, N. H. March, and Y. Ohmura, "Low-temperature behavior of Pyroelectric glasses", <i>Appl. Phys. Lett.</i> 1978, 32, 453-454.	
•	AL	A. M. Glass, M. E. Lines, K. Nassau, and J. W. Shiever, "Anomalous dielectric behavior and reversible pyroelectricity in roller-quenched LiNbO ₃ glass", <i>Appl. Phys. Lett.</i> 1977, 31, 249-251.	
	AM	Y. H. Xu, C. H. Cheng, and J. D. Mackenzie, "Electrical characterizations of polycrystalline and amorphous thin films of Pb(Zr _x T _{1-x})O ₃ and BatTiO ₃ prepared by sol-gel technique", <i>J. Non-Cryst Silids</i> 1994, 176, 1-17.	
	AN	K. Sreenivas, A. Mansingh, and M. Sayer, "Structural and electrical properties of rf-sputtered amorphous barium titanate thin films", <i>J. Appl. Phys.</i> 1987 , 62, 4475–4481.	
	AO	B. S. Chiou and M. C. Lin, "Electrical properties of amorphous barium titanate films prepared by low power r.f. sputtering", <i>Thin Solid Films</i> 1994 , 248, 247-252.	
	AP	W. T. Liu, S. T. Lakshmikurnar, D. B. Knorr, E. J. Rymaszewski, T. M. Lu, and H. Bakhru, "Thermally stable amorphous Ba _x Ti _{2-x} O _y thin films", <i>Apply. Phys. Lett.</i> 1995, 66, 809-811.	
	AQ	M. N. Kamalasanan, N. D. Kumar, and S. Chandra, "Structural and microstructural evolution of barium titanate thin films deposited by the dol-gel process", <i>J. Apply. Phys.</i> 1994 , 76, 4603-4609.	

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Signature /Khanh Nguyen/	Considered	10/06/2008

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Examiner nitials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T²
	AR.	A. A. Lipovskii, D. K. Tagantsev, A. A. Vetrov, and O. V. Yanush, "Raman spectroscopy and the origin of electrooptical Kerr phenomenon in niobium alkali-silicate glasses", <i>Optical Materials</i> 2003 , 21, 749-757.	
	AS	A. K. Tagantsev, "Electrical polarization in Crystals and Its Response to Thermal and Elastic Perturbations", Phase Transitions 1991, 35, 119-203.	-
	AT	W. L. Warren, G. E. Pike, K. Vanheusden, D. Dimos, B. A. Tuttle, and J. Robertson, ":Defect-dipole alignment and tetragonal strain in ferroelectrics", <i>J. Appl. Phys.</i> 1996, 79, 9250-9257.	
	AU	D. M. Kozuch, M. Stavola, S. J. Spector, S. J. Pearton, and J. Lopata, "Symmetry, stress alignment, and reorientation kinetics of the Si _{As} –H complex in GaAs", <i>Phys, Rev. B</i> 1993 , 48, 8751-8756.	
	AV	L. Nam Yang, T. Sekine, Y. Ito, and K. Uchino, "Deposition Profile of RF-Magnetron-Sputtered BaTiO ₃ Thin films", Jpn. J. Appln. Phys. 1. 1994 , 33, 1484-1488.	
	AW	G. G. Stoney, "The Tension of Metallic Films deposited by Electrolysis", <i>Proc. R. Soc. London</i> 1909, A82, 172-175.	
	AX	A. G. Chynoweth, "Dynamic Method for Measuring the Pyroelectric Effect with Special Reference to Barium Titanate", <i>Appl. Phys. Lett.</i> 1956 , 27, 78-84.	
· ·	AY	B. R. Holeman, "Sinusoidally Modulated Heat Flow And The Pyroelectric Effect", Infrared Physics 1972, 12, 125-135.	
	AZ	N. Stavitski, V. Lyahovitskaya, J. Nair, I. Zon, R. popovitz-Biro, E. Wachtel, Y. Feldman, and I. Lubomirsky, "Substrate-free crystallization of distorted Hexagonal barium titanate thin films", <i>Appl. Phys. Lett.</i> 2002 , 81, 4177-4179.	
	ВА	O. Kolosove, A. Gruverman, J. Hatano, K. Takahashi, and H. Tokumoto, "Nanascale Visualization and Control of Ferroelectric Domains by Atomic Force Microscopy", <i>Phys. Rev. Lett.</i> 1995 , 74, 4309-4312.	
	ВВ	Robertson, J. Warren, "Band states and shallow hole traps in Pb(Zr,Ti)O ₃ ferroelectrics", W.L. & Tuttle, B.A. in <i>Journal of Applied Physics</i> 3975-3980-3980 (1995).	
	ВС	Ayton, G. Gingras, M.J.P. & Patey, G.N., "Ferroelectric amd dipolar glass phases of noncrystalline systems". Phys. Rev. E 56, 562-570 (1997).	

Examiner Signature	/Khanh Nguyen/	Date Considered	10/06/2008
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xaminer itials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Τ²
_	BD	Baghat, A.A. & Kamel, T.M., "Possible observation of a glassy ferroelectric: Bi _{1.8} Pb _{0.3} Sr ₂ Ca ₂ Cu _{2.8} K _{0.2} O ₂ " <i>Phys. Rev. B</i> 63, art. No012101-1 — 012101-4 (2001).	
	BE	Lubomirsky et al "Observation of self-poling in BaTiO3", Journal of Applied Physics, Vol. 85(9), pp 6690-6694, May 1999 (Abstract only)	
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